



Homebrew web applications with WP

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Let's talk about beer

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NORTH COAST BREWING CO.
BARREL-AGED
OLD RASPUTIN



RUSSIAN IMPERIAL STOUT
XV
STOUT AGED IN BOURBON BARRELS
PRODUCT OF THE USA
≡

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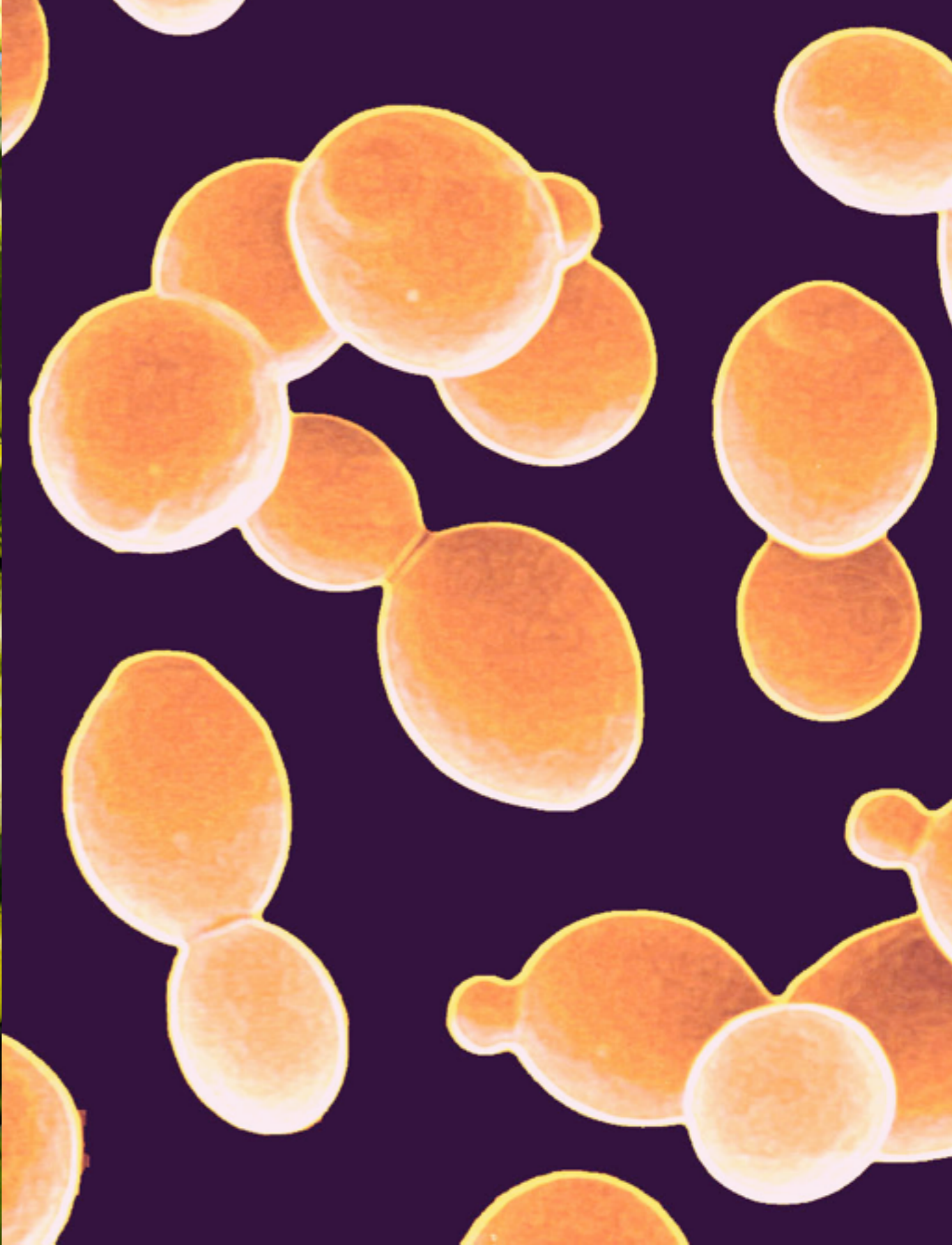
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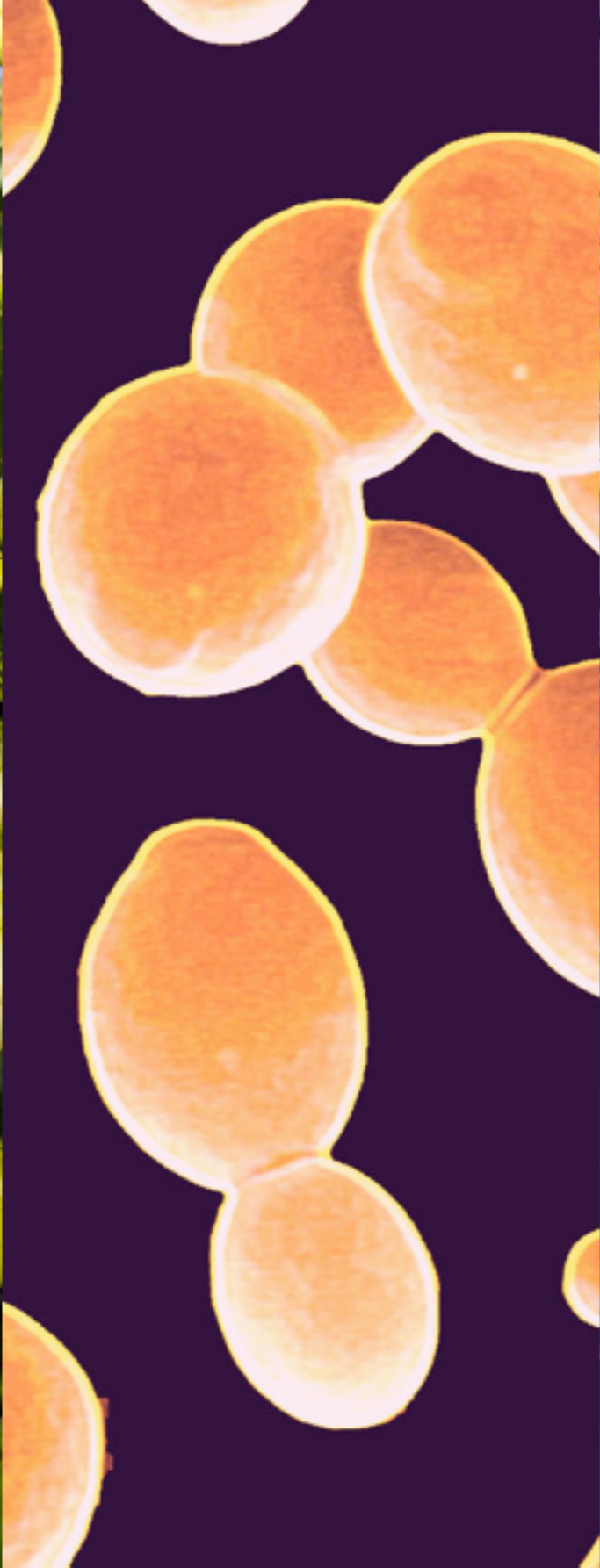
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Let's talk about WordPress

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BLOG

CORY DOCTOROW • 2 HOURS AGO



Ewok tee - Silly Sockys's [Etsy store](#) is full of great, full-bleed tees with custom patterns, including this [giga-cute Ewok shirt](#). (via [Geekymerch](#)) [READ THE REST](#)

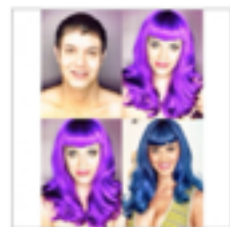
XENI JARDIN • 2 HOURS AGO



5 U.S. airports will begin screening travelers for Ebola - Federal officials today said that passengers arriving from West Africa will be screened

for body temperature at five American airports. The first will be JFK in New York, as early as this weekend. [READ THE REST](#)

XENI JARDIN • 2 HOURS AGO



Makeup artist transforms himself perfectly into various female celebrities - Paolo Ballesteros, a makeup artist and performer in the

Philippines, transforms himself into celebrities

FEATURES



What Fools These Mortals Be! A collection of 19th century humor cartoons

Bill Watterson on what legendary satirical magazine *Puck* tells us about change and opportunity. [READ THE REST](#)





A New, Women-Led *Ghostbusters* is Coming

China Didn't Really Pass the U.S. Economically

3 Top Retirement Trips That Won't Break Your Budget

How to Know When It's Time to Retire

Gas Prices Just Hit a Low for 2014

10 Things You Didn't Know About the Fast Food Drive-Thru

What Happens If You Get Your Obamacare Subsidy Wrong

[ASK THE EXPERT](#)

Get in Touch With Your Prejudices...About Money

[ADVISER & CLIENT](#)

How You Can Build a \$1 Million Retirement

ENTERTAINMENT MOVIES

A New, Women-Led *Ghostbusters* is Coming

Maya Rhodan @m_rhodan

5:02 PM ET



The reprise of the classic comedy is being written by the minds that brought us *The Heat*

A new *Ghostbusters* film is coming. What's more, the ghost-fighting team this time around will be made up of women, and *Bridesmaids* director and mastermind behind the cult classic



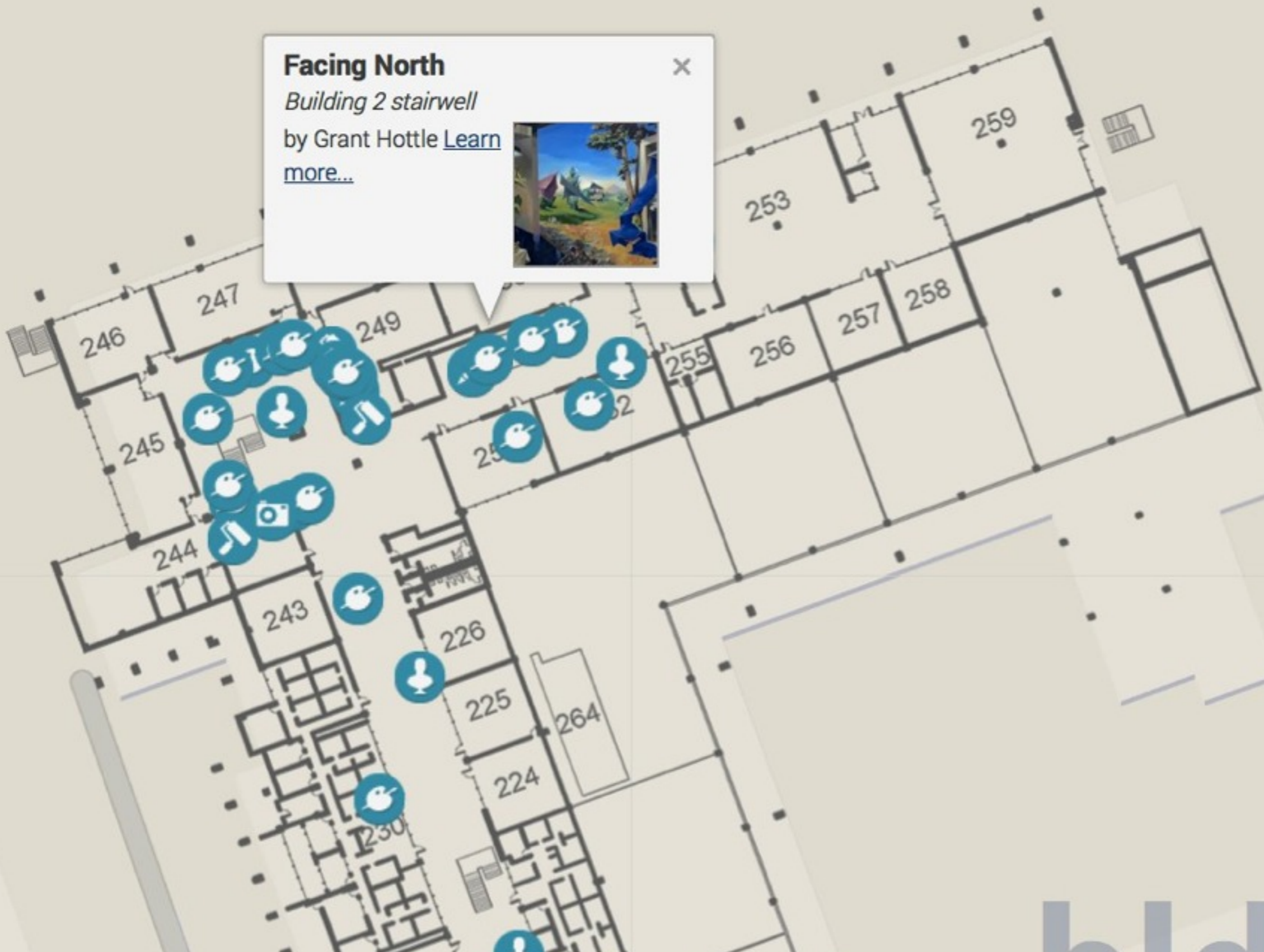
Screenwriter/actress Katie Dippold attends "The Heat" New York Premiere at Ziegfeld Theatre on June 23, 2013 in New York City.

Jim Spellman—WireImage/Getty Images



Facing North ✕

Building 2 stairwell
by Grant Hottle [Learn more...](#)



3

WordPress Joomla Drupal

100%

50%

0%

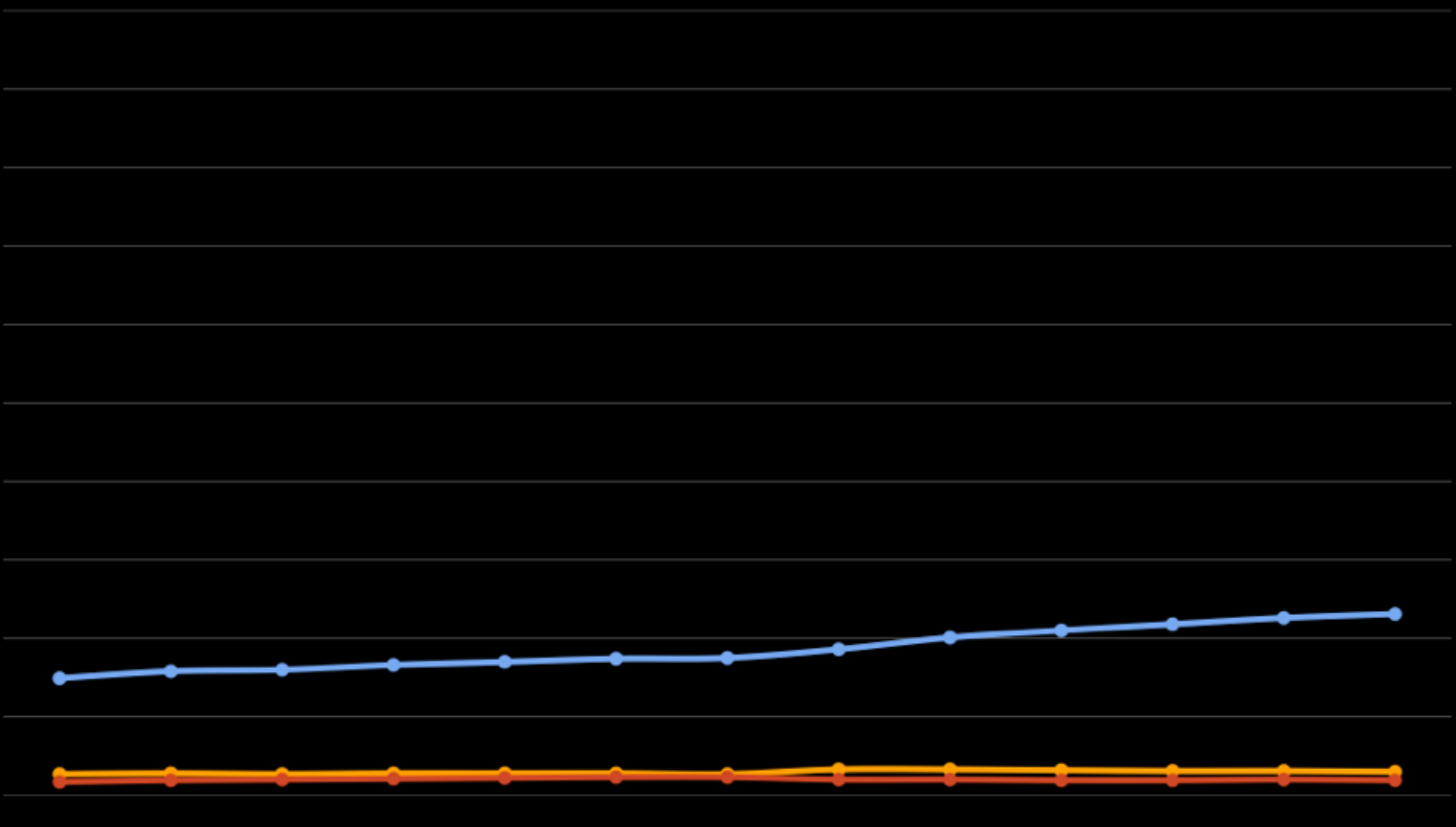
2012

2013

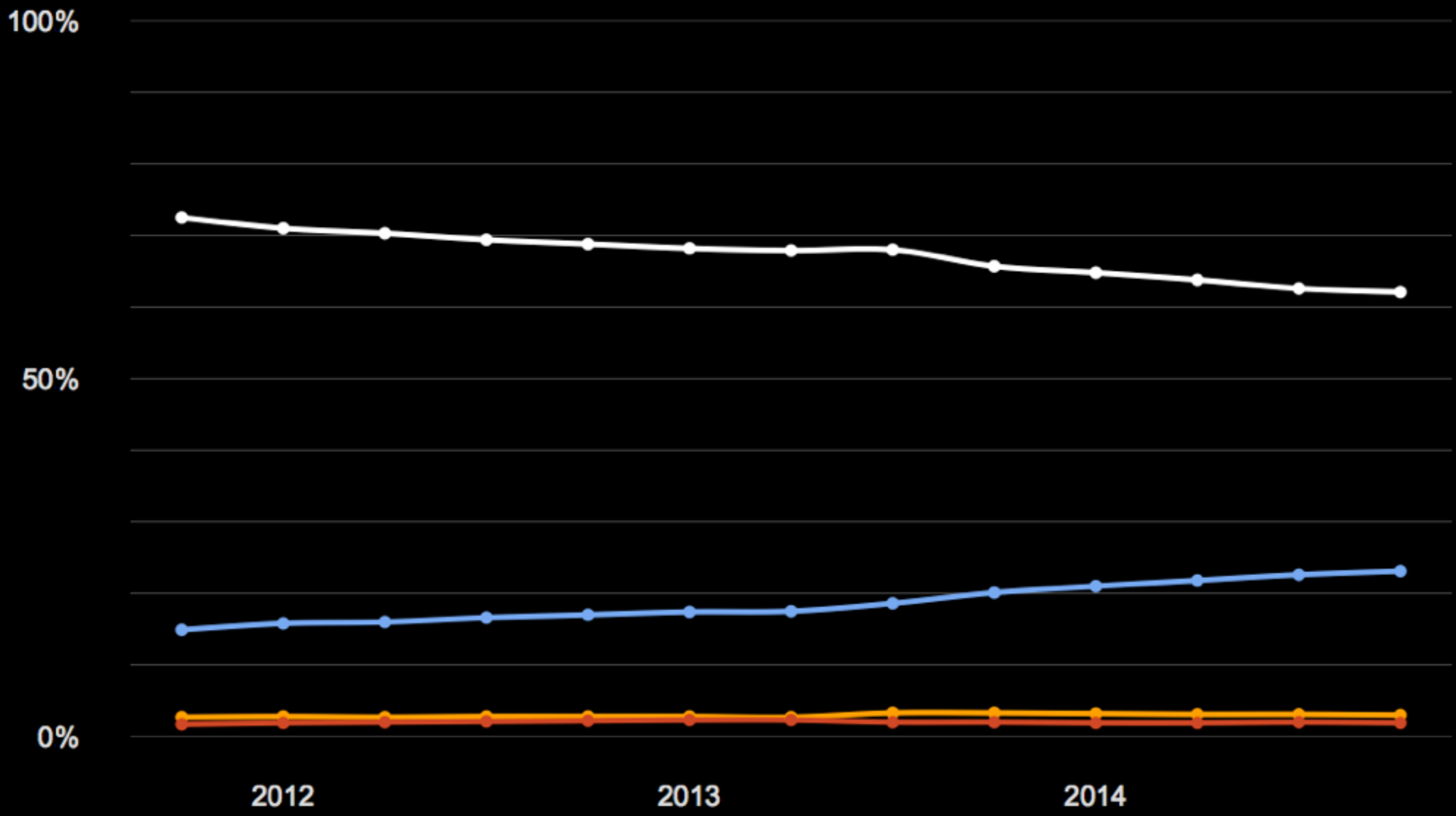
2014

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WordPress Joomla Drupal None



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Posts



Posts



Pages



Posts



Pages



Media



Posts



Pages



Media



Tags

So... what should
we make today?

ALL GRAIN BEER



HTM-Ale

10A: American Pale Ale

5 gal

60 min

70 %

ABV 5.73

IBU 38.9

OG 1.060

FG 1.018

SRM 9.5

B:G 0.6

	Grain	Amount	Potential	SRM	SG +	SRM +	
Grain	Pale Malt (2 Row) US	10 lb	36	2	1.050	3.9	x
Hops	Caramel/Crystal Malt - 20L	1.5 lb	35	20	1.007	5.1	x
Yeast	Cara-Pils/Dextrine	0.5 lb	33	2	1.002	0.5	x
Water	+ Add some grain						

WEB APPLICATIONS

1. Application data
 2. User generated data
- Caching, Security

Application data?

(the stuff that helps the thing do the thing)

APPLICATION DATA

```
var agb_grain = [ ["Generic", 36, 2.0, 1], ["Acid Malt", 27, 3.0, 1],
["Amber Malt", 35, 22.0, 1], ["Aromatic Malt", 36, 26.0, 1], ["Barley
Hulls", 00, 0.0, 1], ["Barley, Flaked", 32, 1.7, 1], ["Barley, Raw", 28,
2.0, 1], ["Barley, Torrefied", 36, 1.7, 1], ["Biscuit Malt", 36, 23.0, 1],
["Black (Patent) Malt", 25, 500.0, 1], ["Black Barley (Stout)", 25, 500.0,
1], ["Black Malt", 34, 660.0, 1], ["Brown Malt", 32, 65.0, 1], ["Brumalt",
33, 23.0, 1], ["Cara-Pils/Dextrine", 33, 2.0, 1], ["Caraamber", 35, 30.0,
1], ["Caraaroma", 35, 130.0, 1], ["Carafa I", 32, 337.0, 1], ["Carafa II",
32, 412.0, 1], ["Carafa III", 32, 525.0, 1], ["Carafoam", 33, 2.0, 1],
["Caramalt", 34, 15.0, 1], ["Caramel Wheat Malt", 35, 46.0, 1],
["Caramel/Crystal Malt #8211; 10L", 35, 10.0, 1], ["Caramel/Crystal Malt
#8211; 20L", 35, 20.0, 1], ["Caramel/Crystal Malt #8211; 30L", 35, 30.0,
1], ["Caramel/Crystal Malt #8211; 40L", 34, 40.0, 1], ["Caramel/Crystal
Malt #8211; 60L", 34, 60.0, 1], ["Caramel/Crystal Malt #8211; 80L", 34,
80.0, 1], ["Caramel/Crystal Malt -120L", 33, 120.0, 1], ["Caramunich Malt
20", 33, 20.0, 1], ["Caramunich Malt 40", 33, 40.0, 1], ["Caramunich Malt
60", 33, 60.0, 1], ["Carared", 35, 20.0, 1], ["Carastan", 35, 30, 1],
["Caravienne Malt", 34, 22.0, 1], ["Chocolate Malt", 28, 350.0, 1],
["Chocolate Rye Malt", 31, 250.0, 1], ["Chocolate Wheat Malt", 33, 400.0,
```


APPLICATION DATA

```
/* =====  
 * Custom "Grain" post types  
 * ===== */  
  
add_action('init', 'agb_register_post_grain');  
  
function agb_register_post_grain() {  
    register_post_type( 'agb_grain', array(  
        'label' => 'Grain',  
        'public' => true,  
        'menu_icon' => 'dashicons-carrot',  
        'supports' => array('title', 'editor', 'custom-fields', 'revisions'),  
    ));  
}
```

APPLICATION DATA

The screenshot shows a WordPress-style sidebar on the left with navigation options: Dashboard, Posts, Media, Pages, Grain (highlighted), Add grain, Hops, Yeast, and Water. The main content area is titled 'Grain' and includes an 'Add grain' button. Below the title, there are filters for 'All (114)', 'Published (114)', and 'Trash (1)'. A control bar contains a 'Bulk Actions' dropdown, an 'Apply' button, an 'All dates' dropdown, and a 'Filter' button. The main list displays four items, each with a checkbox and a title: 'Title', 'Carastan', 'Generic', and 'White Wheat Malt'.

Dashboard

Posts

Media

Pages

Grain

Grain

Add grain

Hops

Yeast

Water

Grain [Add grain](#)

All (114) | Published (114) | Trash (1)

Bulk Actions All dates

- Title
- Carastan
- Generic
- White Wheat Malt

APPLICATION DATA

Custom Fields

Name	Value
<input type="text" value="agb_grain_ppg"/>	<input type="text" value="36"/>
<input type="button" value="Delete"/> <input type="button" value="Update"/>	
<input type="text" value="agb_grain_srm"/>	<input type="text" value="2"/>
<input type="button" value="Delete"/> <input type="button" value="Update"/>	

Add New Custom Field:

Name	Value
<input type="text" value="— Select —"/>	<input type="text"/>
Enter new	

APPLICATION DATA

```
/* === Adds Custom META Box === */
add_action('admin_menu', 'agb_metaboxes');

function agb_metaboxes() {
    add_meta_box( 'agb-grain-metabox',
                 'Grain Details',
                 'agb_build_metabox',
                 'agb_grain');
}

function agb_build_metabox(){ ... }

/* === Save Custom META Box === */
add_action('save_post', 'agb_save_metabox');

function agb_save_metabox( $post_id ){ ... }
```

APPLICATION DATA

Hops Details	
Alpha (high):	<input type="text" value="12"/>
Alpha (low):	<input type="text" value="10"/>
Beta (high):	<input type="text" value="4.5"/>
Beta (low):	<input type="text" value="3.5"/>
Storage index:	<input type="text" value="75"/>
Origin:	<input type="text" value="US"/>
Type:	<input type="text" value="Both"/>

APPLICATION DATA

```
/* === Create Static Cache === */
add_action( 'save_post_agb_grain', 'agb_update_data' );

function agb_update_data( $post_id ) {
    global $post, $wpdb, $date;

    if ( wp_is_post_autosave($post_id) || get_post_status($post_id) == 'au
        return; // If post is an autosave/autodraft, return
    }

    $cache_file = get_stylesheet_directory().'_/_source/scripts/data.js';

    ob_start(); //start recording the output
    echo "/* Data last updated: $date */\n";

    ...
}
```

User generated data?

(the stuff that people may want back)

USER GENERATED DATA

Save this beer!

```
<form action="/submit/" method="post" id="recipe">
  <?php wp_nonce_field('submit-recipe' ); /* required to reach submit form

// security check
$nonce=$_REQUEST['_wpnonce'];
if (! wp_verify_nonce($nonce, 'submit-recipe' ) die('Error: Security Fail!');

// validation check - require a title, ingredient-list, size, efficiency
if (!$_POST['recipe-name'] || !$_POST['ingredient-list'] || !$_POST['batch-size']

if( 'POST' == $_SERVER['REQUEST_METHOD'] ) {
```


USER GENERATED DATA

```
// Try to add post, grab id  
$post_id = wp_insert_post($post);
```

★ Recipes

Recipes
Add Recipe

Edit Recipe

Add Recipe

HTM-Ale

Permalink: <http://www.allgrainbeer.com/recipes/847/>

Edit

View Recipe

Get Shortlink

Recipe Details

Style:	<input type="text" value="535"/>	<input type="button" value="⌵"/>
SRM:	<input type="text" value="9.5"/>	<input type="button" value="⌵"/>
Size:	<input type="text" value="5"/>	<input type="button" value="⌵"/>
OG:	<input type="text" value="1.06"/>	<input type="button" value="⌵"/>

USER GENERATED DATA

allgrainbeer_com (12)

				meta_id	recipe_id	ingredient_id	hop_alpha	hop_oz	hop_mins	yeast
<input checked="" type="checkbox"/> wp_rqodys_agb_recipemeta	<input type="checkbox"/>			708	841	772	NULL	NULL	NULL	NU
<input type="checkbox"/> wp_rqodys_commentmeta	<input type="checkbox"/>			707	841	789	NULL	NULL	NULL	NU
<input type="checkbox"/> wp_rqodys_comments	<input type="checkbox"/>			706	841	94	NULL	NULL	NULL	
<input type="checkbox"/> wp_rqodys_links	<input type="checkbox"/>			705	841	696	NULL	NULL	NULL	
<input type="checkbox"/> wp_rqodys_options	<input type="checkbox"/>			704	841	146	13	0.75	50	NU
<input type="checkbox"/> wp_rqodys_postmeta	<input type="checkbox"/>			703	841	457	NULL	NULL	NULL	NU
<input type="checkbox"/> wp_rqodys_posts	<input type="checkbox"/>			702	841	451	NULL	NULL	NULL	NU
<input type="checkbox"/> wp_rqodys_terms										
<input type="checkbox"/> wp_rqodys_term_relationships										
<input type="checkbox"/> wp_rqodys_term_taxonomy										
<input type="checkbox"/> wp_rqodys_usermeta										
<input type="checkbox"/> wp_rqodys_users										

```
// Access the recipemeta table
$wpdb->agb_recipemeta = $wpdb->prefix . 'agb_recipemeta';

$query = " INSERT INTO $wpdb->agb_recipemeta(recipe_id,ingredient_id,hop_
VALUES $sql_ingredients ";

$result = mysql_query($query);
```

Well, let's see
it already!

Thank You!
gabriel.nagmay.com



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What else you got?

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WHAT'S NEXT?

- Brew day content and images
- User login
- Recipe versioning
- Embed code